

IHO STAKEHOLDERS' FORUM Taunton, UK

E-Navigation and the role of hydrographic data

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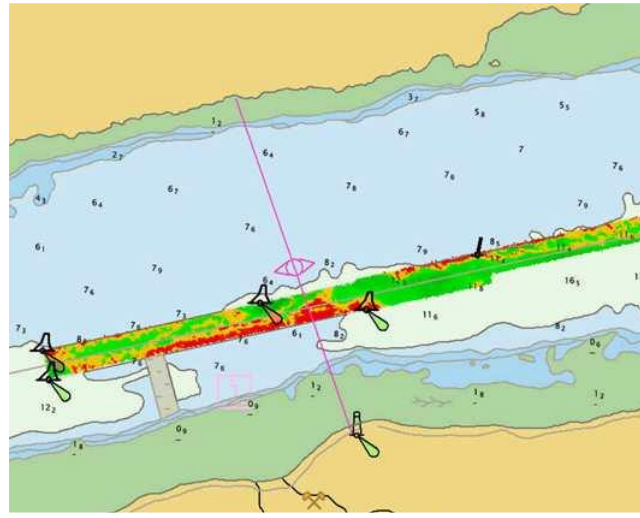
27 September 2012

E-Navigation

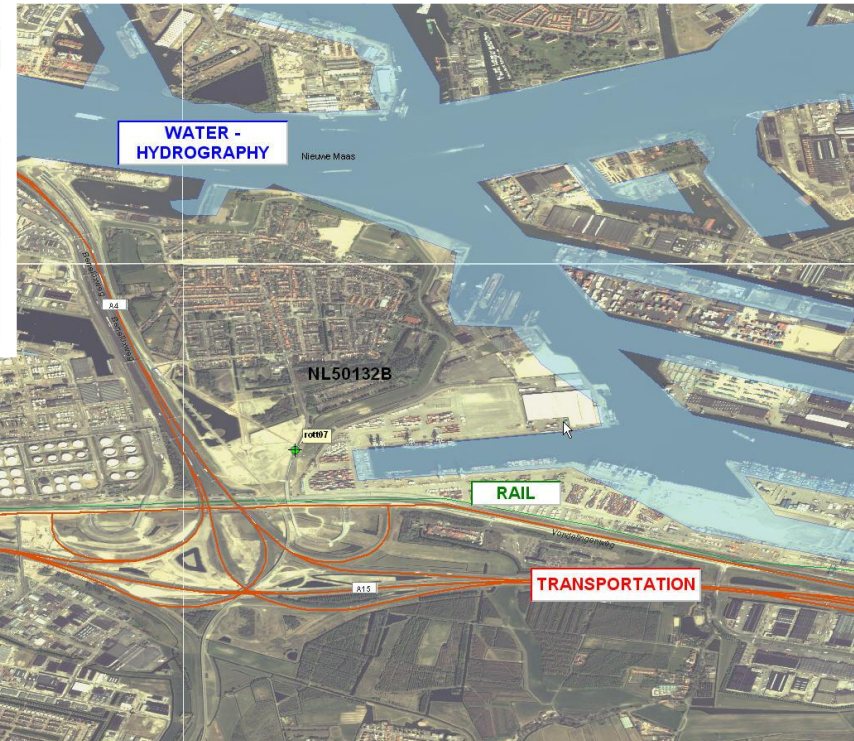
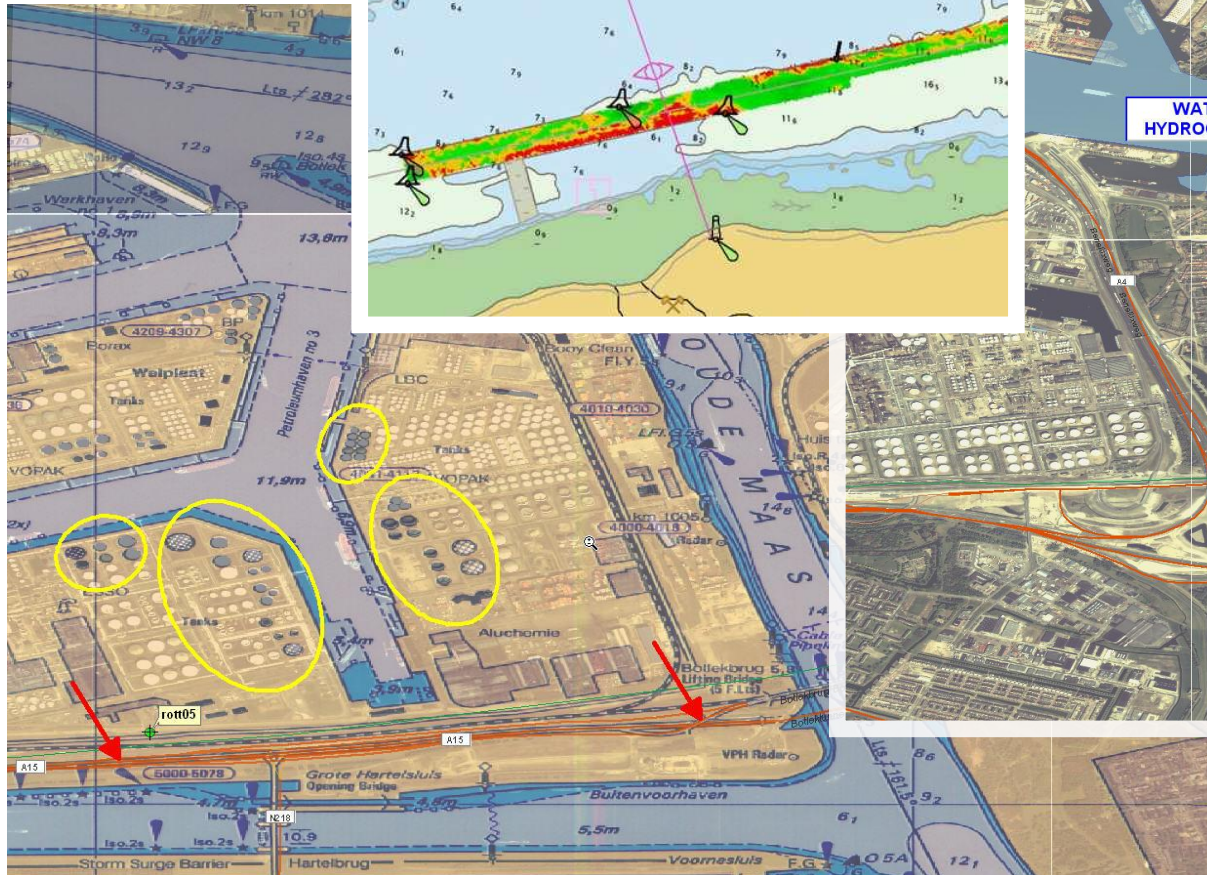
is a journey,
not a destiny....



E-Navigation: Data from different origination



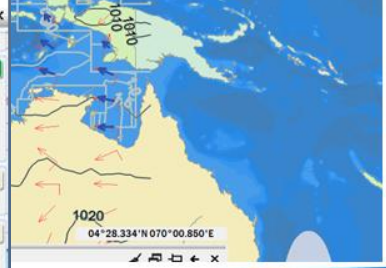
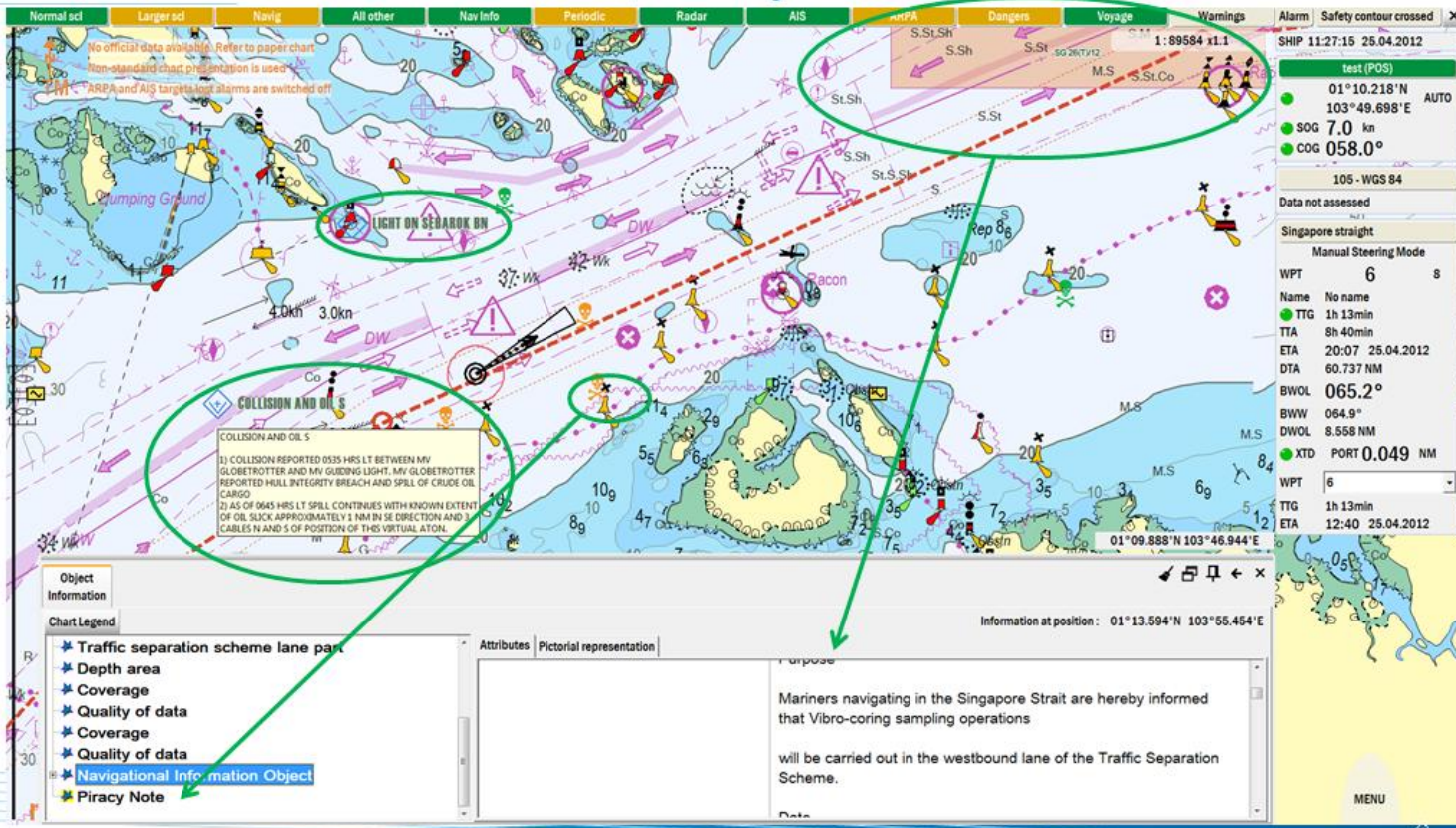
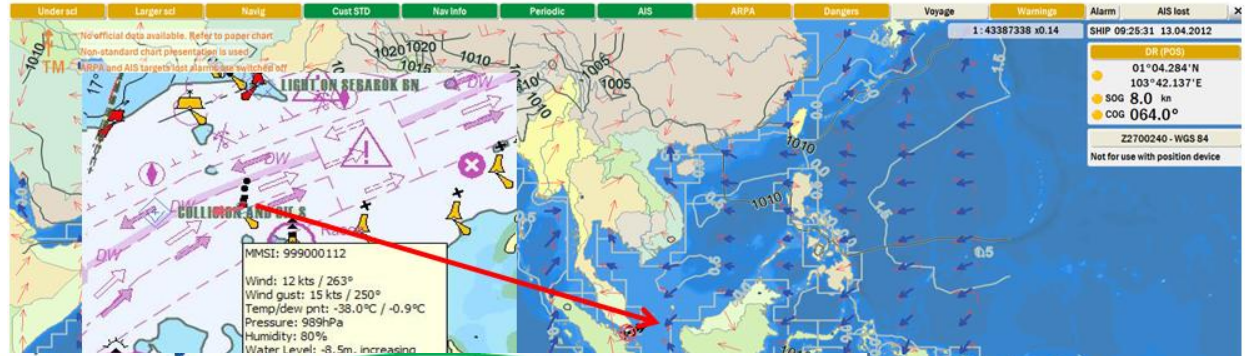
Hydrographic Data



None-Hydrographic Data

E-Navigation: Data with Time Dimension

Static and pre-composed Data



Dynamic and real-time Data

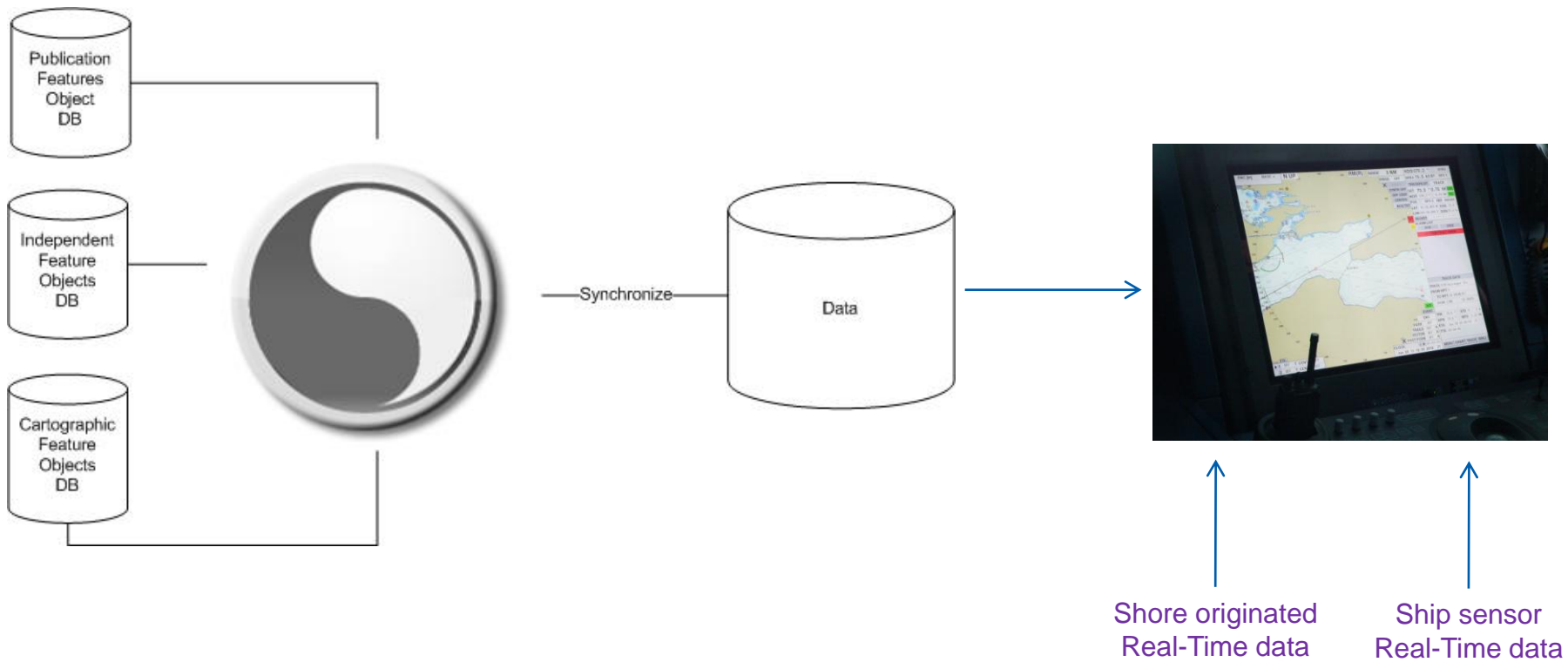
E-Navigation: The Data-Integration

Data
Production

Data
Integration

Data-Product
Implementation

Information
Visualization



Static Data Layers in e-Navigation

Seafarer Support Data
(Cultural Data at Port...)

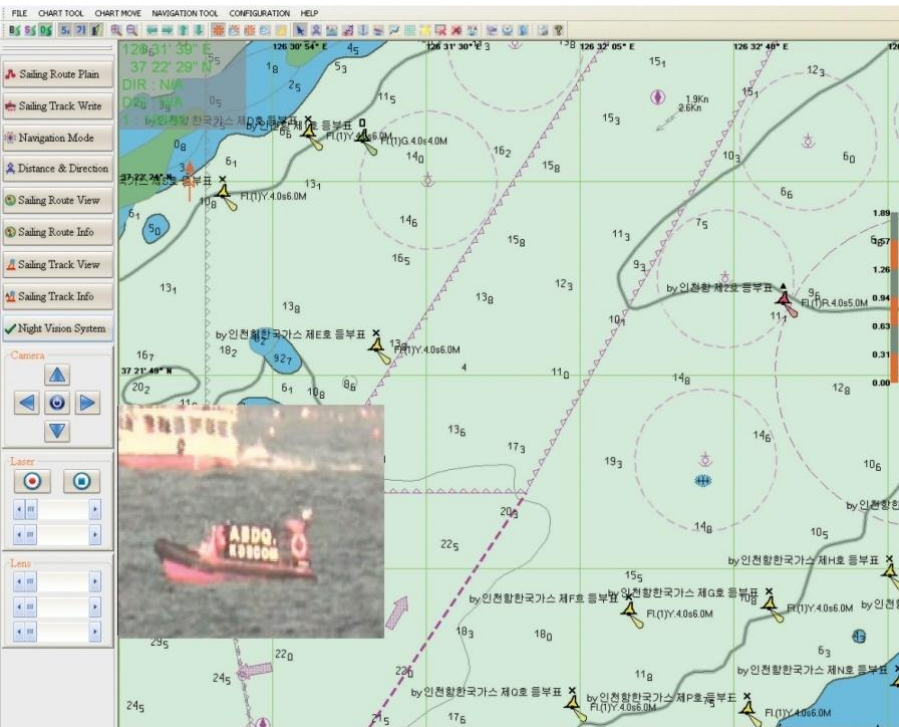
Operational Efficiency Data
(Route Planning, Trip control...)

Sailing Support Data
(Digital Publications...)

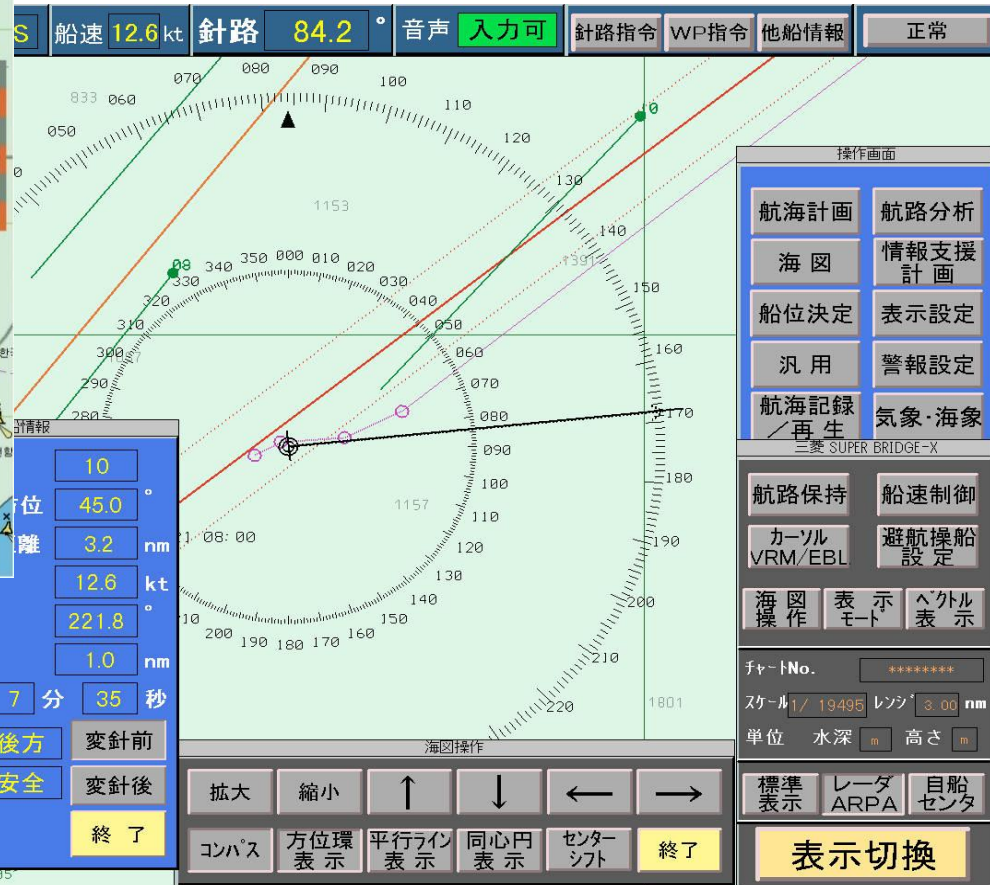
Advanced Navigational
(Sat Photos, Bathymetric Data...)

Basic Navigational Data
(ENC, I-ENC, Port Data...)

It is already a reality But need a structure to ensure professionalism



NAVIEYE from Korea



Display for automatic collision avoidance system from JAPAN



THANK YOU !

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